

IN THE CLAIMS:

1-2 (Canceled)

3. (Currently Amended) A work form-measuring method ~~as claimed in claim 2~~
comprising the steps of:

placing a work on a waiting position of an auto pallet changer directly after the
work has been machined by ^{a tool at} a machining tool;

bringing a probe of a coordinate-measuring machine close to said work in said
waiting position of said auto pallet changer and then measuring the forms and
dimensions of said work, said coordinate-measuring machine being arranged in the
vicinity of said machining tool; and

moving said tool of said machining tool and said probe of said coordinate-
measuring machine to said work in a horizontal direction of motion and orthogonal to
each other

~~wherein said direction of motion of said tool moving to said work and that of said~~
~~probe of said coordinate-measuring machine moving to said work both are horizontal.~~

4. (Currently Amended) A work form-measuring method as claimed in claim 4 ~~3~~,
wherein said coordinate-measuring machine is capable of taking refuge to such a
position as that said coordinate-measuring machine does not prevent said work from
moving.

5. (Currently Amended) A work form-measuring apparatus comprising:
an auto pallet changer for moving a work between a waiting position and a
machining position at an inlet of a machining tool; and

a coordinate-measuring machine for bringing a probe thereof close to said work in said waiting position of said auto pallet changer directly after said work has been machined by ^{a tool of} said machining tool and placed on said waiting position, to thereby measure the forms and dimensions of said work;

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wherein said tool of said machining tool and said probe of said coordinate-measuring machine move toward said work in a horizontal direction of motion and orthogonal to each other.

6. (Original) A work form-measuring apparatus as claimed in claim 5, further comprising refuge means for causing said coordinate-measuring machine to take refuge to such a position as that said coordinate-measuring machine does not prevent said work from moving.

7. (Previously Amended) A work form-measuring apparatus as claimed in claim 6, wherein said refuge means causes said coordinate-measuring means to take refuge with a linear motion.

8. (Previously Amended) A work form-measuring apparatus as claimed in claim 6, wherein said refuge means causes said coordinate-measuring means to take refuge with a rotational motion.

9. (Previously Amended) A work form-measuring apparatus as claimed in claim 5, wherein said machining tool and said coordinate-measuring means mutually exchange a measurement enabling signal and a measurement completion signal, both of which are related to the movement of said work by said changer.

10. (Previously Amended) A work form-measuring apparatus as claimed in claim 9, wherein said coordinate-measuring means leaves a refuge position after having

received a signal of informing a change movement completion, from said machining tool, and said changer starts moving said work after having received a signal of informing a coordinate-measuring means refuge completion.

11. (Original) A work form-measuring apparatus as claimed in claim 5, further comprising rotating means for rotating the work which is placed on a measuring position.

12. (Currently Amended) A coordinate-measuring machine disposed in the vicinity of a machining tool for getting a probe thereof close to a work in a waiting position of an auto pallet changer directly after said work has been machined by ^{a tool of} said machining tool and placed on said waiting position, to thereby measure the forms and dimensions of said work;

wherein said tool of said machining tool and said probe of said coordinate-measuring machine move toward said work in a horizontal direction of motion and orthogonal to each other.
